

NSP

PDR

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401



April 6, 1977

Director, Office of
Inspection and Enforcement
U S Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Regulatory
File Cy.

Monthly Operating Report
March 1977

Attached are ten copies of the Monthly Operating Report for March, 1977 for the Monticello Nuclear Generating Plant.

Yours very truly,

L O Mayer, PE
Manager of Nuclear Support Services

LOM/ak

cc: Director, IE-III, USNRC (1)
Director, MIPC, USNRC (2)

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2025
Rev. 0
3/3/76

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263
UNIT 1
DATE 4/5/77
COMPLETED BY W. A. SHAMLA
TELEPHONE 612/295-5151, Ext. 111

MONTH MARCH

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>553</u>	17	<u>549</u>
2	<u>548</u>	18	<u>486</u>
3	<u>552</u>	19	<u>7</u>
4	<u>550</u>	20	<u>-4</u>
5	<u>548</u>	21	<u>152</u>
6	<u>520</u>	22	<u>294</u>
7	<u>551</u>	23	<u>425</u>
8	<u>550</u>	24	<u>481</u>
9	<u>553</u>	25	<u>533</u>
10	<u>548</u>	26	<u>468</u>
11	<u>551</u>	27	<u>531</u>
12	<u>546</u>	28	<u>551</u>
13	<u>503</u>	29	<u>551</u>
14	<u>548</u>	30	<u>550</u>
15	<u>550</u>	31	<u>556</u>
16	<u>549</u>		

OPERATING DATA REPORT

DOCKET NO. 50-263
 UNIT 1
 DATE 4/5/77
 COMPLETED BY W. A. SHAMLA
 TELEPHONE 612/295-5151, Ext. 111

OPERATING STATUS

1. Reporting Period: MARCH Gross Hours in Report Period: 744
2. Currently Authorized Power Level (MWt): 1670 Max. Depend. Capacity (MWe-Net):
536 Design Electrical Rating (MWe-Net): 545.4
3. Power Level to Which Restricted (if any) (MWe-Net): N/A
4. Reasons for Restriction (if any):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor Was Critical	<u>700.1</u>	<u>2,100.3</u>	<u>40,176.7</u>
6. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>940.7</u>
7. Hours Generator On Line	<u>689.2</u>	<u>2,083.4</u>	<u>38,858.6</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWh)	<u>1,086,120.0</u>	<u>3,356,642.4</u>	<u>66,019,317.8</u>
10. Gross Electrical Energy Generated (MWh)	<u>370,580</u>	<u>1,145,390</u>	<u>19,789,810</u>
11. Net Electrical Energy Generated (MWh)	<u>356,414</u>	<u>1,102,708</u>	<u>18,910,180</u>
12. Reactor Service Factor	<u>94.1%</u>	<u>97.2%</u>	<u>79.6</u>
13. Reactor Availability Factor	<u>94.1%</u>	<u>97.2%</u>	<u>81.4</u>
14. Unit Service Factor	<u>92.6%</u>	<u>96.5%</u>	<u>77.0</u>
15. Unit Availability Factor	<u>92.6%</u>	<u>96.5%</u>	<u>77.0</u>
16. Unit Capacity Factor (Using MDC)	<u>89.4%</u>	<u>95.2%</u>	<u>69.9</u>
17. Unit Capacity Factor (Using Design MWe)	<u>87.8%</u>	<u>93.6%</u>	<u>68.7</u>
18. Unit Forced Outage Rate	<u>0.0%</u>	<u>1.0%</u>	<u>8.9</u>
19. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each). Operator licensing outage, 6/11/77, 2 days.			
20. If Shutdown at End of Report Period, Estimated Date of Startup: <u>N/A</u>			

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MARCH

DOCKET NO. 50-263
 UNIT NAME Monticello
 DATE 4/5/77
 COMPLETED BY W. A. SHAMLA
 TELEPHONE 612/295-5151
Ext. 111

NO.	DATE	TYPE		DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED	S: SCHEDULED				
2	770319		S	54.8	B	I	Plant outage taken to repair reactor relief valves.

(1) REASON

- A: Equipment Failure (Explain)
- B: Maint. or Test
- C: Refueling
- D: Regulatory Restriction
- E: Operator Training and License Examination
- F: Administrative
- G: Operational Error (Explain)
- H: Other (Explain)

(2) METHOD

- 1: Manual
- 2: Manual Scram
- 3: Automatic Scram
- 4: Other (Explain)

SUMMARY: Operated as base loaded unit with weekend power reductions for surveillance testing.